



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/642,330	08/18/2003	Chen-Hwa Shin	SHIN3002/EM	1955

23364 7590 04/19/2005

BACON & THOMAS, PLLC  
625 SLATERS LANE  
FOURTH FLOOR  
ALEXANDRIA, VA 22314

EXAMINER
----------

DUONG, TAI V

ART UNIT	PAPER NUMBER
----------	--------------

2871

DATE MAILED: 04/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/642,330

Applicant(s)

SHIN, CHEN-HWA

Examiner

Tai Duong

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 January 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1-3 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08/18/03 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

Linking claims 1 and 2 are allowed. Since the restriction requirement between inventions I and II, as set forth in the Office action mailed on 12/20/04, was conditioned on the nonallowance of the linking claim(s), **the restriction requirement as to the linked inventions is hereby withdrawn.** Claim 3, previously withdrawn from consideration as a result of the restriction requirement, is hereby rejoined and fully examined for patentability under 37 CFR 1.104. In view of the withdrawal of the restriction requirement as to the linked inventions, applicant(s) are advised that if any claim(s) depending from or including all the limitations of the allowable linking claim(s) be presented in a continuation or divisional application, such claims may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

This application is in condition for allowance except for the following formal matters:

Claims 1-3 are objected to because of the claim language. In claim 1, line 6, it is suggested to change "*of which the major characteristics are*" to "*said mechanism comprising*"; line 7, to change "*the joint post is inserted*" to "*a joint post being inserted*"; and in line 10, to insert "*of the LCD display*" after "*a semi-circle cavity*" for the claim language being clear. In claim 2, line 2, it is suggested to change "*the Claim 1*" to "*Claim 1*"; and in line 3, to change "*the hanging*" to "*a hanging*". In claim 3, line 2, it is suggested to change "*the Claims 1 and 2*" to "*Claim 2*" because the feature

"the hanging frame" of claim 3 is previously recited in claim 2, not in claim 1.

Claims 1 -3 would be allowable if amended to overcome the above objection to.

Claims 1-3 are allowed over the prior art of record because none of the prior art discloses or suggests a rotating and reversing mechanism for an LCD display having the features *"the lower end of a joint post being inserted into the connecting holes on one rim of the upper and lower casings, locked with a screw permitting to rotate at a limited angle, and the upper end of the joint post is inserted into a semi-circle cavity (of the LCD display) and locked with a pin in the LCD display permitting a 360° reversal"*.

Kawai et al and JP 2000-11626 disclose a LCD display which can be rotated at 180° and can be overlapped on the back of the CD player. However, Kawai et al are silent about *"the lower end of a joint post being inserted into the connecting holes on one rim of the upper and lower casings, locked with a screw permitting to rotate at a limited angle, and the upper end of the joint post is inserted into a semi-circle cavity (of the LCD display) and locked with a pin in the LCD display permitting a 360° reversal"*.

The JP 10-126068 disclose a LCD display which can be rotated at 360°. However, the JP 10-126068 is silent about *"the lower end of a joint post being inserted into the connecting holes on one rim of the upper and lower casings, locked with a screw permitting to rotate at a limited angle, and the upper end of the joint post is inserted into a semi-circle cavity (of the LCD display) and locked with a pin in the LCD display"*.

Art Unit: 2871

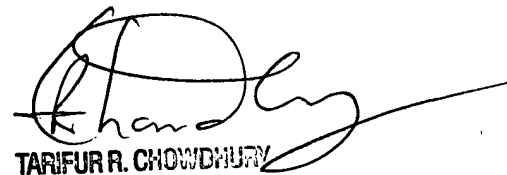
Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

Any inquiry concerning this communication should be directed to Tai Duong at telephone number (571) 272-2291.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

  
TARIFUR R. CHOWDHURY  
PRIMARY EXAMINER

  
TVD

04/05